

APS-Pro-S

3-way Passive Arrayable
Point Source



The APS-Pro-S is a compact, 3-way arrayable point source loudspeaker, designed for small and medium-sized venues where a scalable and powerful solution is required.

In the APS-Pro-S, mid and high frequencies are reproduced from a single source, CODA's Dual Diaphragm coaxial

Curved wave driver (DDC). Its output pattern is controlled by a magnetic InstaFit APS-COUPLER. Couplers combine all elements of the loudspeaker into a single, pattern-controlled wavefront. Two 10" high-excursion low distortion neodymium drivers are thermally coupled to a shaped aluminium baffle that also forms the cabinet's reflex ports. This exclusive Dynamic Airflow Cooling technology, or DAC, takes heat away from drivers, increasing power handling and significantly reducing power compression. With carbon fibre diaphragms providing increased stiffness and reduced moving mass, these advanced drivers work down to 50 Hz with impact and control.

Mounted horizontally, each APS-Pro-S cabinet provides a fixed 30° vertical coverage and can be flown singly or with additional APS-Pro cabinets in vertical arrays to match the system's output to any requirement. Horizontal coverage can be changed between 60°, 90°, and 120°, and asymmetrical configurations of 75°, 90° and 105° by using different InstaFit APS-COUPLER configurations.

Mounted vertically, each APS-Pro-S cabinet provides a fixed horizontal coverage of 30°, with the variable dispersion now being in the vertical plane.

When paired with APS-SUB, an APS-Pro system extends down to 28 Hz. APS-SUB can be flown with APS-Pro beneath or used as a base for interlocked ground stacks or with pole-mounted APS arrays.

APS-Pro-S Features

- ⊕ Dynamic Airflow Cooling (DAC) technology
- ⊕ Frequency Range: 50 Hz to 22 kHz
- ⊕ Power Handling: 1400 W (AES)
- ⊕ 30° cabinet angle for short throw and wide near field coverage
- ⊕ Unique 9" DDC (3.5" + 1.75" VC)
- ⊕ Dual 10" neodymium ultra-low distortion cone drivers
- ⊕ InstaFit APS-Couplers ensure a coherent uniform wavefront that performs as a single source and provides directivity control over a wide frequency range
- ⊕ Up to three cabinets can be linked for amp channel economy
- ⊕ Seamless integration with APS-Pro-D
- ⊕ Part of an integrated system with LINUS DSP amplifiers

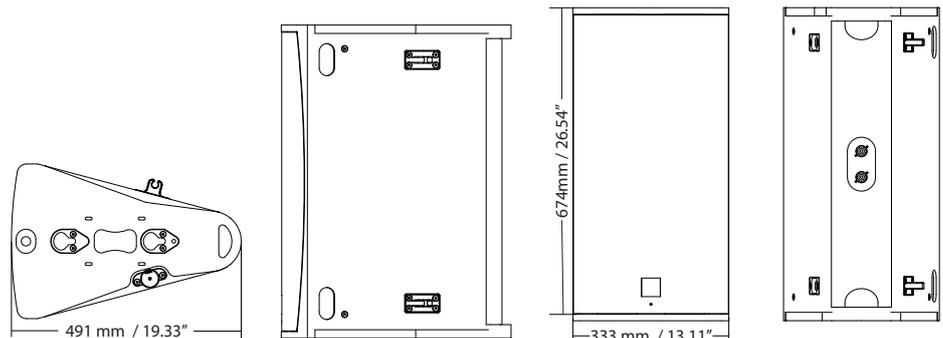


APS-Pro-S Data Sheet

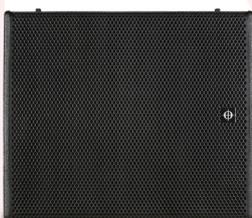


Product type:	3-way Passive Arrayable Point Source
Frequency response:	50 Hz – 22 kHz (-6 dB)
Power handling AES / peak (passive):	1400 W / 5600 W
- Low AES / peak:	N/A
- Mid / High AES / peak:	N/A
Max. peak SPL (with LINUS14)	144 dB (A)*
Amplification, cabinets per amplifier (Optimum / Maximum):	LINUS6.4 - BTL: 6/6 LINUS12C: 12/12 LINUS14/D: 12/12
Dispersion horizontal:	Symmetrical 120°, 90° or 60°. Asymmetrical 105°, 90° or 75°. Dependent on APS-COUPLER in use.
Dispersion vertical:	30°
Components Low frequency:	2x 10" Nd water resistant cones 3" (77 mm) voice coil, 700 W (AES) each
Components Mid/High frequency:	9" DDC (Dual Diaphragm Curved-wave Driver) MF: 3.5" (90 mm) voice coil, 150 W (AES) HF: 1.75" (44.4 mm) voice coil, 80 W (AES)
Crossover point:	3-way passive 650 Hz / 6.3 kHz
Input connectors:	2x Neutrik™ NL4MP
Nominal impedance LF / MF+HF:	12 Ω (2+/-2)
Enclosure material:	Hybrid birch plywood / Aluminium
Finish:	Polyurea black coating
Suspension:	Integrated
IP rating (IEC 60529):	Standard IP54
Weatherproof options:	Standard IP55 (Amphenol connectors) MG1 (Marine Grade 1): IP55
Dimensions (WxHxD):	674 x 333 x 491 mm / 26.54 x 13.11 x 19.33"
Net weight:	26.4 kg / 58.2 lbs

*Measured with pink noise 6 dB crest factor. Half-space loading.



Other APS System Products



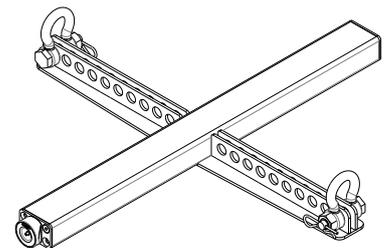
APS-SUB

Flyable, High-Output Subwoofer



LINUS14/D

4-Channel DSP Amplifier with Loudspeaker Management



ACCESSORIES

Visit www.codaaudio.com for a full list of APS accessories

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